



# UNITED STATES PATENT AND TRADEMARK OFFICE

UNITED STATES DEPARTMENT OF COMMERCE  
United States Patent and Trademark Office  
Address: COMMISSIONER FOR PATENTS  
P.O. Box 1450  
Alexandria, Virginia 22313-1450  
www.uspto.gov

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
-----------------	-------------	----------------------	---------------------	------------------

10/705,769

11/10/2003

Jerry D. Kachlic

A3-316US

4365

23683

7590

10/13/2004

MOLEX INCORPORATED  
2222 WELLINGTON COURT  
LISLE, IL 60532

EXAMINER

VU, HIEN D

ART UNIT

PAPER NUMBER

2833

DATE MAILED: 10/13/2004

Please find below and/or attached an Office communication concerning this application or proceeding.

<p align="center"><b>Office Action Summary</b></p>	<b>Application No.</b> 10/705,769	<b>Applicant(s)</b> KACHLIC, JERRY D.	
	<b>Examiner</b> Hien D. Vu	<b>Art Unit</b> 2833	

**-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --**

**Period for Reply**

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

**Status**

- 1) ☐ Responsive to communication(s) filed on \_\_\_\_.
- 2a) ☐ This action is **FINAL**.                      2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

**Disposition of Claims**

- 4) ☒ Claim(s) 1-18 is/are pending in the application.
- 4a) Of the above claim(s) \_\_\_\_ is/are withdrawn from consideration.
- 5) ☐ Claim(s) \_\_\_\_ is/are allowed.
- 6) ☒ Claim(s) 1-18 is/are rejected.
- 7) ☐ Claim(s) \_\_\_\_ is/are objected to.
- 8) ☐ Claim(s) \_\_\_\_ are subject to restriction and/or election requirement.

**Application Papers**

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☐ The drawing(s) filed on \_\_\_\_ is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.  
     Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).  
     Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

**Priority under 35 U.S.C. § 119**

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All    b) ☐ Some \* c) ☐ None of:
1. ☐ Certified copies of the priority documents have been received.
2. ☐ Certified copies of the priority documents have been received in Application No. \_\_\_\_.
3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).
- \* See the attached detailed Office action for a list of the certified copies not received.

**Attachment(s)**

- |  |   |
|--|---|
| 1) <input checked="" type="checkbox"/> Notice of References Cited (PTO-892)  | 4) <input type="checkbox"/> Interview Summary (PTO-413)<br>Paper No(s)/Mail Date. ____. |
| 2) <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948)                                   | 5) <input type="checkbox"/> Notice of Informal Patent Application (PTO-152)             |
| 3) <input type="checkbox"/> Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08)<br>Paper No(s)/Mail Date ____. | 6) <input type="checkbox"/> Other: ____.  |

Art Unit: 2833

1. Claim 10 is objected to because the features of claim 10 appear to be duplicated of claim 9.

2. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless –

3. (b) the invention was patented or described in a printed publication in this or a foreign country or in public use or on sale in this country, more than one year prior to the date of application for patent in the United States.

4. Claims 1-4, 6, 15-16 and 18 are rejected under 35 U.S.C. 102(b) as being anticipated by Szczesny et al.

The disclosure of Szczesny provides a complete response to each and every element set forth in the claims. For example: Figs. 1-4 show an insulating housing 10, a top surface 16, conductive terminals 14, a metal latch 40 including a first leg 42, a second leg (50, 54), a substantially "V" shaped being formed by the first and second legs, the first leg being attached to the housing, the second leg being cantilevered relative to the first leg and being capable of moving from an unstressed position to a stressed position.

A to claim 2, at least one protrusion 56 extends from the second leg.

As to claim 3, the at least one protrusion 56 extends in a direction opposite to the first leg.

As to claim 4, the first leg 42 is planar, a second leg comprises a first portion including a hole 52, a second portion 50 and a third portion (54, 56).

As to claim 6, the third portion 52 being substantially parallel to the first leg 42.

As to claim 16, the first leg includes means (44, 46) for attaching the latch to the housing.

As to claim 15, the first leg 42 is substantially parallel to the planar top surface 16.

As to claim 18, the metal latch is formed from stainless steel.

5. The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

6. Claims 5, 7-14 and 17 are rejected under 35 U.S.C. 103(a) as being unpatentable over Szczesny et al in view of Lin (864).

As to claims 5, 7, 12, 14, in absence of any showing of criticality by the applicant to form the at least one protrusion or protrusions on the first portion of the second leg would have been an obvious of modification since such changes solve no stated problem.

As to claim 8, Szczesny does not show the connecting means comprising first and second spaced apart protrusions and extending from the second leg. Lin, fig. 2 shows connecting means comprising first and second spaced apart protrusions 13 and extending from a second leg. It would have been obvious to one with skill in the art to modify the connector of Szczesny by forming the connecting means with first and second spaced apart protrusions, as taught by Lin, in order to provide better secure for the connector.

Art Unit: 2833

As to claims 9 & 10, the protrusions would extend in a direction opposite to the first leg.

As to claims 11, 13, the reference is applied as described above.

As to claim 17, to form the attaching means on the first leg with barbs and the walls extending from the top surface with holes would have been obvious of reversal parts in order to achieve desired of location.

7. Hirai, Lee, Lin (252), Fedder et al and Manning are cited for disclosure of electrical connectors with latch means.

8. Any inquiry concerning this communication should be directed to Hien Vu at telephone number (571) 272-2016.

Vu/ds



**HIEN VU**  
**PRIMARY EXAMINER**